WHAT IS CLAIMED IS:

1. A navigation system that searches for a route to a destination based on stored map data that provides navigation guidance to the destination along the route, comprising: a controller that:

searches for a first route to the destination as a route to be recommended based on a calculation of a search cost;

detects whether the first route includes a curve; changes the search cost for any detected curve;

searches for a second route to the destination based on the search cost that has been changed; and

employs the second route as the route to be recommended instead of the first route.

- 2. The navigation system according to claim 1, wherein the controller determines a radius of curvature based on node coordinates of a road and detects the curve based on the radius of curvature.
- 3. The navigation system according to claim 1, wherein the controller detects the curve based on the number of nodes in a road.
- 4. A navigation system according to claim 1, wherein the map data includes road data including information indicating whether a road includes the curve, and the controller detects the information indicating whether the road includes a curve.
- 5. The navigation system according to claim 1, wherein when a length of the second route is smaller than a length of the first route by a predetermined value, the controller selects the second route as the recommended route.
- 6. The navigation system according to claim 2, wherein when a length of the second route is smaller than a length of the first route by a predetermined value, the controller selects the second route as the recommended route.
- 7. The navigation system according to claim 3, wherein when a length of the second route is smaller than a length of the first route by a predetermined value, the controller selects the second route as the recommended route.
- 8. The navigation system according to claim 4, wherein when a length of the second route is smaller than a length of the first route by a predetermined value, the controller selects the second route as the recommended route.

- 9. The navigation system according to claim 5, wherein when a length of the second route is smaller than a length of the first route by a predetermined value, the controller selects the second route as the recommended route.
- 10. The navigation system according to claim 1, wherein the controller detects the curve based on a number of nodes per unit length.
- 11. A navigation system that searches for a route to a destination based on stored map data that provides navigation guidance to the destination along the route, comprising:

searches for a first route to the destination as a route to be recommended based on a calculation of a search cost;

a controller that:

detects a road having a greater change in altitude than a predetermined value from the first route;

changes the search cost for any detected road;

searches for a second route to the destination based on the search cost that has been changed; and

employs the second route as the route to be recommended instead of the first route.

12. A program for use in a navigation system that searches for a route to a destination based on stored map data that provides navigation guidance to the destination along the route, the program comprising:

a routine that searches for a first route to the destination as a route to be recommended based on a calculation of a search cost;

- a routine that detects whether the first route includes a curve;
- a routine that changes the search cost for any detected curve;
- a routine that searches for a second route to the destination based on the search cost that has been changed; and

a routine that employs the second route as the route to be recommended instead of the first route.

- 13. The program of claim 12, wherein when a length of the second route is smaller than a length of the first route by a predetermined value, the second route is selected as the recommended route.
- 14. The program of claim 12, wherein the curve is detected based on a number of nodes per unit length.

15. A program for use in a navigation system that searches for a route to a destination based on stored map data that provides navigation guidance to the destination along the route, the program comprising:

a routine that searches for a first route to the destination as a route to be recommended based on a calculation of a search cost;

a routine that detects a road having a greater change in altitude than a predetermined value from the first route;

a routine that changes the search cost for any detected road;

a routine that searches for a second route to the destination based on the search cost that has been changed; and

a routine that employs the second route as the route to be recommended instead of the first route.

16. A storage medium for use in a navigation system that searches for a route to a destination based on stored map data that provides navigation guidance to the destination along the route, wherein the storage medium stores:

map data used in searching for the route and providing the navigation guidance along the route; and

a program for use in the navigation system, comprising:

a routine that searches for a first route to the destination as a route to be recommended based on a calculation of a search cost;

a routine that detects whether the first route includes a curve;

a routine that changes the search cost for any detected curve;

a routine that searches for a second route to the destination based on

the search cost that has been changed; and

a routine that employs the second route as the route to be recommended instead of the first route.

- 17. The storage medium of claim 16, wherein when a length of the second route is smaller than a length of the first route by a predetermined value, the second route is selected as the recommended route.
- 18. The storage medium of claim 16, wherein the curve is detected based on a number of nodes per unit length.
- 19. A storage medium for use in a navigation system that searches for a route to a destination based on stored map data that provides navigation guidance to the destination along the route, wherein the storage medium stores:

map data used in searching for the route and providing the navigation guidance along the route; and

a program for use in the navigation system, comprising:

a routine that searches for a first route to the destination as a route to be recommended based on a calculation of a search cost;

a routine that detects a road having a greater change in altitude than a predetermined value from the first route;

a routine that changes the search cost for any detected road;

a routine that searches for a second route to the destination based on the search cost that has been changed; and

a routine that employs the second route as the route to be recommended instead of the first route.